



ACOR Recyclers Guide BHP Steel

Australian Building & Manufacturing Markets
Packaging Products

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Today we will go through

- About the steel packaging industry
- Key issues and challenges
- Key elements
- What this means to you



BHP Packaging Products is a

manufacturer of

Australian made

TINPLATE

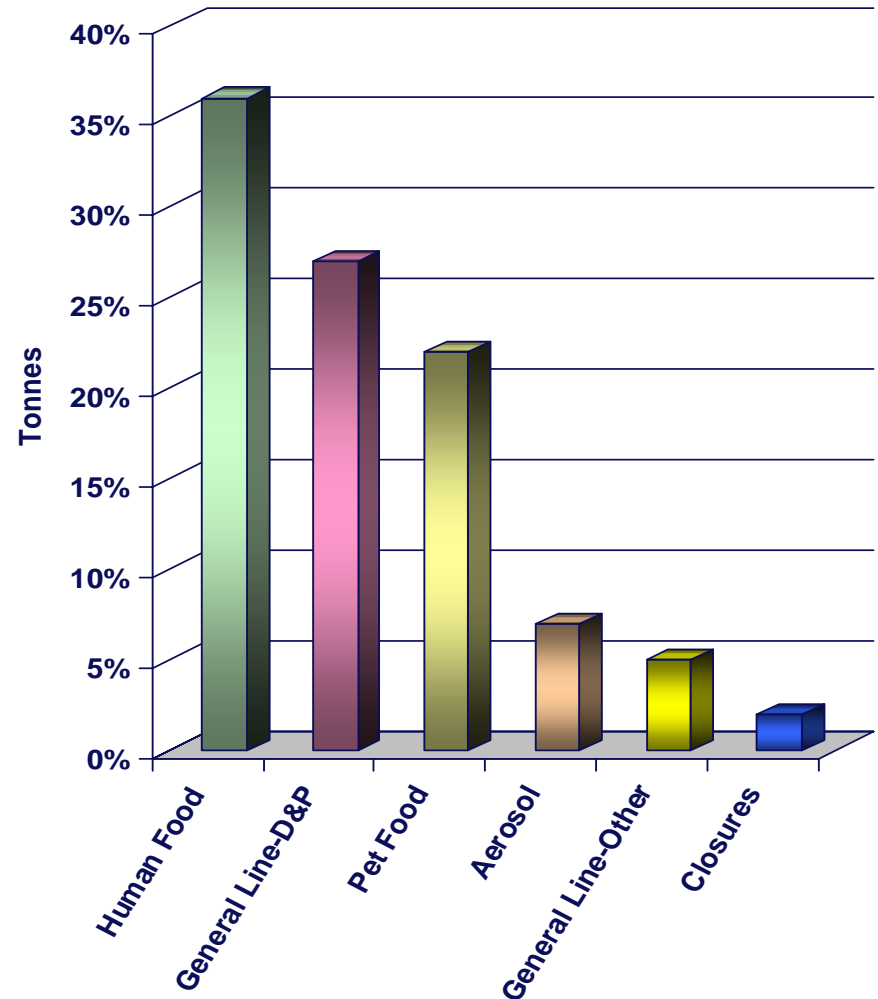
and

ELECTROLYTIC CHROME COATED STEEL.

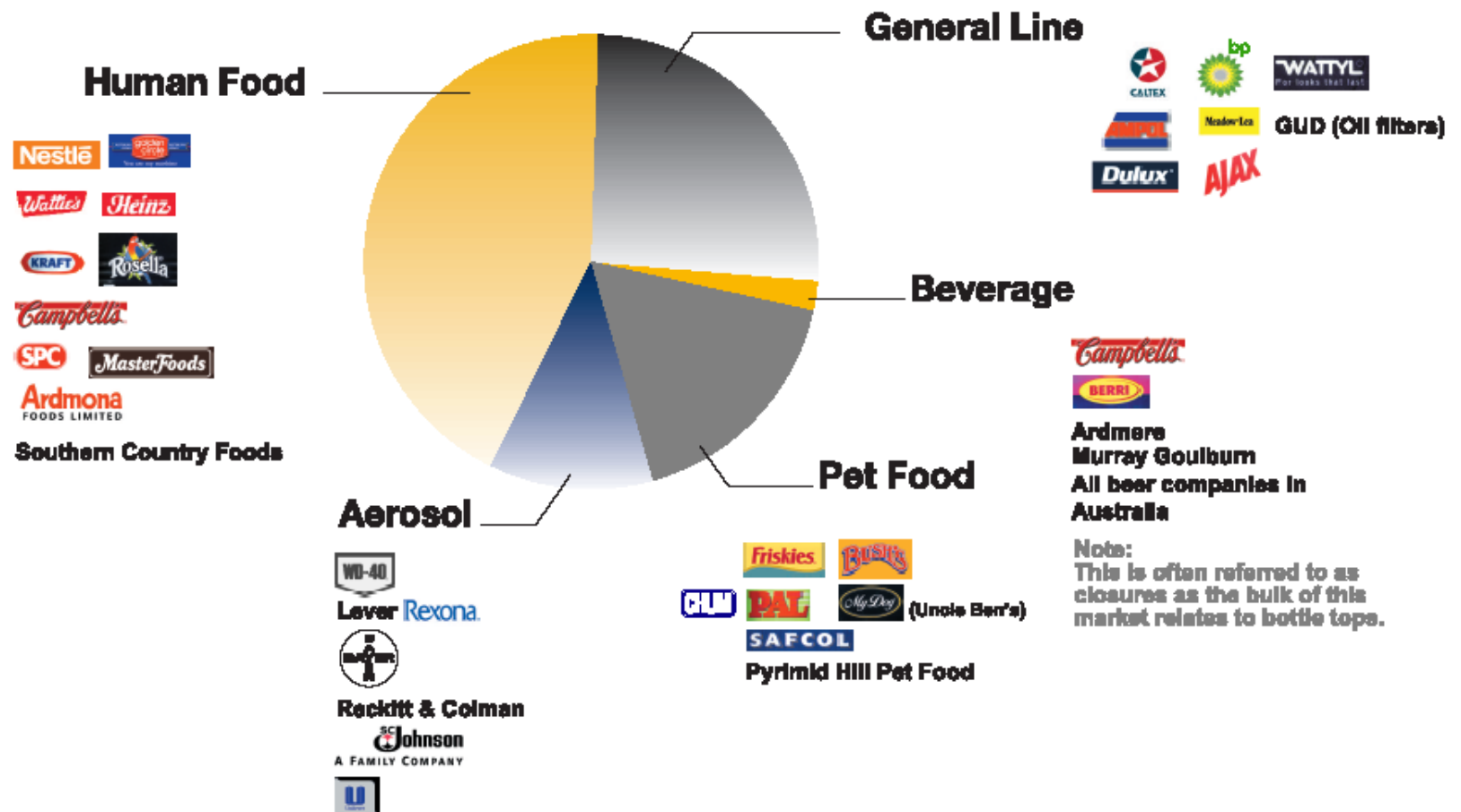


Steel market segments

- Steel packaging represents approximately 13% of the Australian packaging industry.
- Biggest single segment is human food
- Consumer markets total 73% of steel packaging
- Market is made up of three majors canmakers being:
 - Visypak
 - Amcor
 - NCI



Packaging Products' End Use Markets



Facts

- Steel packaging is 100% recyclable
- In 1990 the recycling rate for steel was 0%, it is now over 43%
- BHP Steel alone uses more than 1 million tonne of recycled steel every year
- Over 92% of the population has access to kerbside steel can recycling programs
- 73% of the population are aware of the recyclability of steel packaging

Key Issues and Challenges

- Communicating the recyclability of steel to consumers
- Communicating a consistent message to consumers
- Delivering material in the most appropriate form to manufacturers
- Encouraging councils to develop appropriate infrastructure and collection methods

Recycling guide for Fillers

- Steel does not have specific requirements based on type, coatings or end use.
- Labelling consistency and use of the steel recycling logo is the most critical aspect.
- This guide focuses on appropriate logo for packaging solutions.
- SCRC have embarked on a targeted and specific program of ensuring that ALL steel packaging carries the endorsed logo.



Recycling Guide for Fillers Marketing in Steel Cans



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Recyclable Steel Logo



Key Elements

- The inherent characteristics of steel make it easy to separate and recycle.
- Many scrap users do not require strict adherence to the specification.
- However, BHP Steel differentiates both the processing route and the price of scrap based on its ability to meet the specification
- Most important components are:
 - Free from dangerous material
 - Free from contamination
- Myths around the removal of labels, washing of steel cans, etc still exist.

BHP Steel

Supply and Group Services
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Given the nature of this material and the manner in which it is sourced it remains imperative that quality meet minimum standards to assure safety in transport, handling and consumption.

This material only has value in so far as it can be consumed without dangerous or deleterious effect on BHP Steel's making operations.

Free of Dangerous and Deleterious Material

All Baled Steel Cans shall be free of dangerous material and as far as is practical free of deleterious materials which are defined follows:

Dangerous materials, such as any sealed cylinder may give rise to violent/explosive reactions within the steel making furnace and includes, but is not limited to, gas cylinders, gearboxes, sealed drums, chemicals, asbestos and radioactive materials.

Deleterious materials may affect steel quality and/or produce hazardous fume emissions and includes dirt, sand & clay, wood, plastic, paper & glass, copper, brass, bearing metals, solders, lead, zinc, aluminium, rubber, oily & greasy materials, gloves and electrical motors.

Bale Density

Bales are to meet a minimum density of 800kg per cubic metre to ensure destruction of all aerosol containers and a maximum size of 700 x 700 x 350mm. Bale integrity is critical for handling and to minimise any potential for water penetration and rotation.

Any loads deemed, by BHP Steel's inspectors, to be non-conforming shall be rejected for sorting or processing at the supplier's expense. All instances of contamination shall be reported to the supplier via BHP Steel's corrective action request system, with the requirement that the cause of contamination be determined and steps taken to eliminate the cause. It is the responsibility of the supplier to maintain the baling press in such a condition that bale density and integrity is optimised.



Benefit to you.....the industry

The ACOR guides ensure that as an industry we have:

- Tested knowledge regarding labelling
- Consistent message from all links in the packaging chain
- Shared and agreed specification for the processing of steel scrap
- Latest information available for use.

Ultimately, it delivers to the industry one best way.

Acknowledgments

The ACOR guides could not have been brought to you without the input of:

- BHP Steel
- Steel Can Recycling Council
- Canmakers Institute of Australia
- Canned Food Information Service
- Aerosol Association of Australia

